

CASE STUDY: NOVUS WOOD/ FREEDOM CNG



Novus Wood/Freedom CNG
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BACKGROUND FACTS

Annual miles driven: 50,000 miles/year at 5 miles to the gallon
Current annual usage of natural gas: 10,000 gasoline gallons equivalent (per truck)
Year natural gas introduced in fleet: 2011

FLEET FACTS

Total Fleet vehicles:	CNG Fleet vehicle type:
4 CNG	0 sedans
1 gasoline	2 light-duty trucks
6 diesel	2 heavy-duty truck

Refueling facilities onsite: Yes (public station)
Type: Fast Fill
Time to fill: 5-8 min.
Years using natural gas: 3

NATURAL GAS COST SAVINGS

Natural Gas Cost: \$2.39/gasoline gallon equivalent (GGE)
Diesel Cost: \$3.69/gallon (average)
Annual savings to fleet through use of natural gas: \$15,000 per truck

ADDITIONAL COMMENTS/QUOTES

Additional Comments:

CNG's vision for the future is provide enough truck friendly fast fill CNG fueling stations in the Houston area for fleets to have the confidence to adopt CNG as their fuel of choice. When fleet owners believe they can fuel their vehicles in any area of the City, CNG adoption will occur rapidly and become mainstream. There are 100,000 short haul diesel vehicles in the 8 counties surrounding Houston and it has been estimated that replacing one 1990 era Class 8 diesel truck with a CNG powered truck is like removing 65 trucks from service. Replacing older diesel vehicles with CNG power creates a significant clean air dividend for the entire community. Utilizing natural gas for fleet vehicles creates local jobs from local resources and helps produce cleaner air. A Win... Win... Win!

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